

Site activities IVO Gold King Mine Release

19AUG2015

Agency/Organization	Number of Personnel
EPA	05
USCG	04
ER	14
START	04

Water Treatment Plant –

- Caustic and flocculent addition on going.
- Treatment Media Remaining – ~1100 Gal NaOH, 08 Bags of Brennfloc, 11 Bags of powdered Lime
- Determined flow capacity and sediment retention times of R&B ponds
- Built repository for sludge from treatment ponds.
- Solidified existing sludge in R&B ponds and moved to repository
- Treatment ponds show leakage from pond 1, 3, and 4
 - Structurally mostly intact
 - Downstream wall of pond 3 needs to be addressed.
 - Ongoing monitoring

Sediment Recovery – OMNI Water Solutions / Rain for Rent

- Additional equipment installed.
- Begin process by end of week

Water quality Sampling – START Data submitted separately.

- Water quality parameters collected at 11 locations three times daily
- Flow Rate of 631 GPM was recorded at 0900 from the Gold King Mine adit portal
- 2 water samples collected to be submitted for analysis
 - Gold King Adit
 - Effluent of treatment pond 4
- Flow rate of 605 GPM was recorded at 1610 from the Gold King Mine adit portal
- Additional flows collected at:
 - 1300 from Silver Ledge Mine with 271 GPM
 - 1525 from Red and Bonita Mine with 450 GPM
 - 1145 from American Tunnel with 65 GPM
 - 1445 from Mogul with 87.5 GPM

Red and Bonita (R&B) Mine Operations –

- Concreting cofferdam in the mine which created turbidity in Cement Creek.
- Removed solids from R&B pond two to repository.

- Laying pipe from treatment pond 1 to Red and Bonita treatment ponds.

Gold King Mine Ops –

- Attorneys General from Utah and Colorado on site
- Mine stability consultants on scene.
- Power poles taken down at Gold King Mine adit
- Berm on GKM road improved

Media Interest –

- News outlets visited site
 - ABC 7 Denver
 - Denver Post
- NM Senator Brasso staff to visit GKM site at 1230 on 20AUG2015

Logistics –

- Generator connections needed for EPA MEOC.
- Fuel for UTVs required by 21 AUG 2015

Future Actions –

- Gabion baskets to be delivered for repair of Gold King Mine road.
- Change treatment in first pond from direct treatment to circular treatment to improve circulation.
- BLM to be conducting survey of roads IVO Gold King Mine efforts.
- San Miguel Power to remove damaged power lines 26 AUG 2015.
- Rain for Rent engineering solution for diversion to R&B and down to Gladstone.
 - T or Y gate to handle flow
 - Additional rerouting
- Survey to be conducted for Gold King Mine waste dump